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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/021,020	12/19/2001	Tadahiro Ushiro	2936-0144P	9479

2292 7590 09/23/2003

BIRCH STEWART KOLASCH & BIRCH  
PO BOX 747  
FALLS CHURCH, VA 22040-0747

EXAMINER
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SHIN, CHRISTOPHER B

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 09/23/2003

4

Please find below and/or attached an Office communication concerning this application or proceeding.

PL4

<b>Office Action Summary</b>	<b>Applicant No.</b>	<b>Applicant(s)</b>	
	10/021,020	USHIRO, TADAHIRO	
	<b>Examiner</b>	<b>Art Unit</b>	
	Christopher B Shin	2182	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-7 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-7 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.
 

If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
  - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                               | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                      | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ . | 6) <input type="checkbox"/> Other: _____ .                                   |

## **DETAILED ACTION**

### ***Drawings***

1. The subject matter of this application admits of illustration by a drawing to facilitate understanding of the invention. Applicant is required to furnish a drawing under 37 CFR 1.81. No new matter may be introduced in the required drawing. Examiner notices a FORMAL drawings (23 sheets) was intended to be filed with this application; however, no drawings are found with this application. Please submit or resubmit the drawings in response to this office action.

### ***Specification***

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in-
  - (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or
  - (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

4. Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Rudoff et al. (6,263,378).

i. In figures 1 & 3-5 and the respective sections, the Rudoff reference teaches all of the basic claimed limitations as follows:

Claims 1-8      Rudoff et al. (figures 1 & 3-5)

- microcomputer including a plurality of peripheral circuits
  - feature of figure 1 system including (104/105) devices
- a connecting circuit that permits interconnection among the plurality of peripheral circuits to be controlled through execution of a program
  - feature of (102) interconnection among (104/105) through execution of a program (101/102/103)
- wherein the connecting circuit comprises a selector that selects one among a plurality of inputs and then outputs the selected input according to data given by the program
  - inherent feature of (102) inputting/outputting/communicating between (104-105)
- wherein a circuit for writing/reading data input/output to/from circuits through execution of the program is provided as one of the peripheral circuits
  - inherent feature of (102) controlling communications between (104-105)
- wherein a circuit for inputting/outputting a signal outside/inside the microcomputer is provided as one of the peripheral circuits
  - inherent feature of (104-105) internally & externally communicated by (102)
- means for realizing a predetermined peripheral circuits function by a controlling through the connecting circuit the interconnecting among the plurality of peripheral circuits
  - feature of using device tree (302) for communication between (102, 104-105)

ii. Since the Rudoff reference teaches all of the basic claimed limitations, the claimed invention would have been anticipated by the teachings of Rudoff reference.

5. Any Response To This Action Should Be Mailed To:

If The Action Is Non-Final

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

or faxed to:

(703) 746-7239, (for formal communications intended for entry)

If The action is Final

Box AF

Commissioner of Patents and Trademarks

Washington, D.C. 20231  
**or faxed to:**  
(703) 746-7238, (for formal communications; please mark "EXPEDITED PROCEDURE")

**Hand-delivered responses should be brought to**  
Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

**Any Other Telephone Communication Should Be Directed To**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mr. Shin whose telephone number is (703) 305-9658. The examiner can normally be reached on Monday - Thursday from 7:00 AM to 4:00 PM.

Christopher B. Shin  
September 15, 2003

*Christopher B. Shin*  
**PRIMARY EXAMINER**

**ART UNIT 2182**

